



CGC
CASE GY20a

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Stephen B. Davis
Type or print name

Stephen B. Davis
Signature

April 11, 2005
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF

ZAHLER ET AL.

PATENT NO: 5,206,244

ISSUED: APRIL 27TH, 1993

FOR: HYDROXYMETHYL (METHYLENECYCLOPENTYL) PURINES AND PYRIMIDINES

**Certificate
APR 19 2005
of Correction**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Attention: Decision and Certification Branch of Patent Issue Division

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT

Sir:

Attached, in duplicate, is Form PTO-1050, with at least one copy being suitable for printing.

Applicants submit these corrections present no new matter and do not require reexamination, as it is clear from the patent document itself that each of the errors is of a typographical, clerical and/or minor nature, and the correct text would be readily apparent to one skilled in the field.

Certain errors occurred through the fault of the USPTO, for which correction is sought under 37 CFR 1.322, and certain errors occurred through fault of the applicant in good faith for which correction is sought under 37 CFR 1.323.

04/14/2005 WABDELR3 00000067 193880 5206244

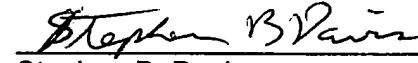
01 FC:1811 100.00 DA

APR 19 2005

On account of the corrections Applicants request pursuant to 37 CFR 1.323, the Commissioner is authorized to charge the \$100 fee under 37 CFR 1.20(a) to Deposit Account No. 19-3880. Additionally, the Commissioner is authorized to charge any additional fee that may be required for this request to the aforementioned Deposit Account. The USPTO is requested to kindly contact the undersigned if deemed appropriate to expedite this request.

Respectfully submitted,

Bristol-Myers Squibb Company
Patent Department
P.O. Box 4000
Princeton, NJ 08543-4000
(609) 252-4338



Stephen B. Davis
Attorney for Applicants
Reg. No. 26,693

Date: *April 11, 2005*

Page 1 of 26

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

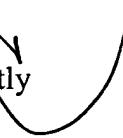
PATENT NO : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

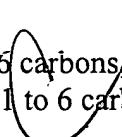
Column 1

line 30, Insert - R₁ is 

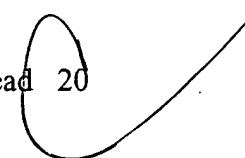
Column 2

line 45, substituted alkyl, or aryl; and R₆ and R₇ are independently  should read: substituted alkyl, or aryl; and R₆ and R₇ are independently

Column 3

line 55, methyl, amino, alkylamino of 1 to 6 carbons, nitro,  should read: methyl, amino, alkylamino of 1 to 6 carbons, dialkylamino, wherein each alkyl is of 1 to 6 carbons, nitro,

Column 12

line 30, 22 should read 20 

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PATENT NO. 5,206,244

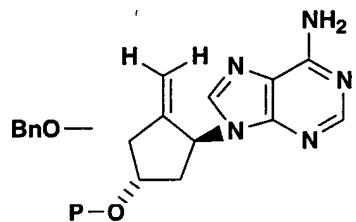
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED: : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

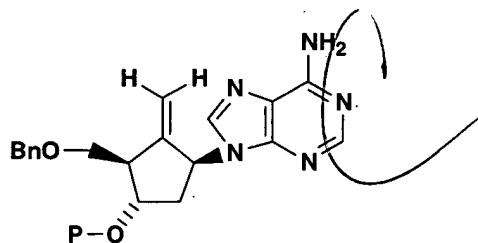
It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 14

line 40



should read:



MAILING ADDRESS OF SENDER:
Stephen B. Davis
Bristol-Myers Squibb Company
Patent Department
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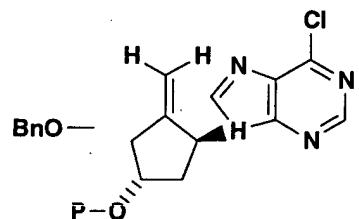
PATENT NO. 5,206,244

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

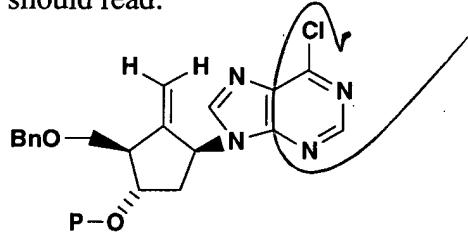
PATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 15
line 35



should read:



MAILING ADDRESS OF SENDER:
Stephen B. Davis
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PATENT NO. 5,206,244

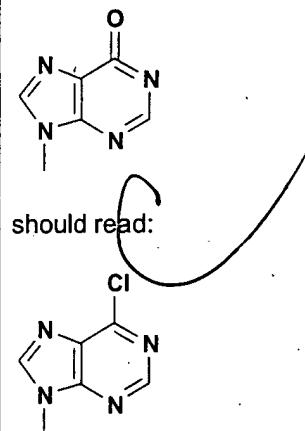
UNITED STATES PATENT AND TRADEMARK OFFICE
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DATED : April 27, 1993
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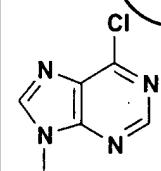
It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 16

line 55



should read:



MAILING ADDRESS OF SENDER:
Stephen B. Davis
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PATENT NO. 5,206,244

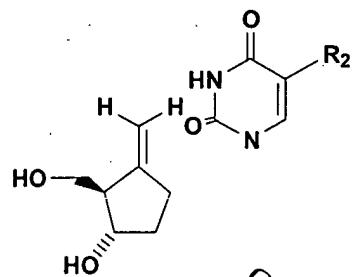
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

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DATED : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

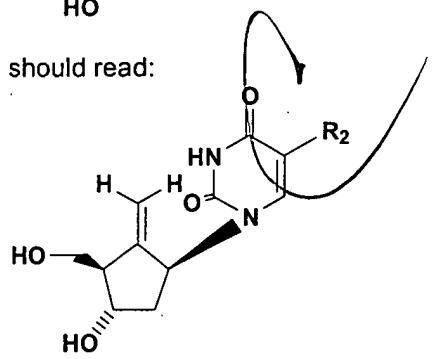
It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 17

line 25



should read:



MAILING ADDRESS OF SENDER:

Stephen B. Davis
Bristol-Myers Squibb Company
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PATENT NO. 5,206,244

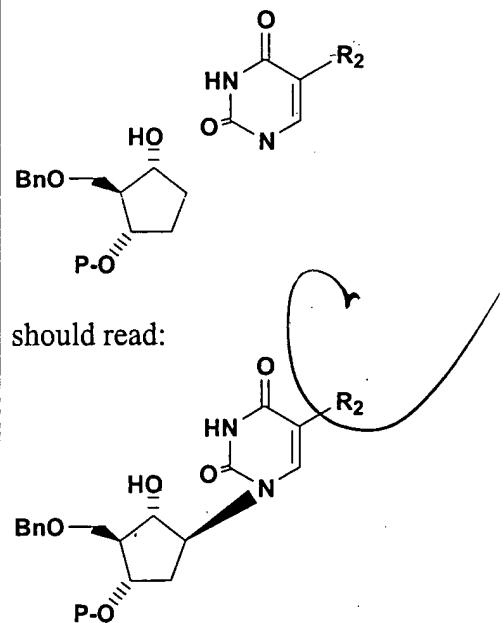
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 17

line 55



MAILING ADDRESS OF SENDER:

Stephen B. Davis
Bristol-Myers Squibb Company
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PATENT NO. 5,206,244

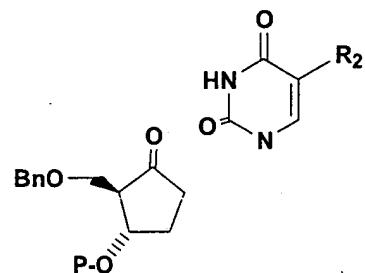
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

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INVENTOR(S) : ZAHLER ET AL.

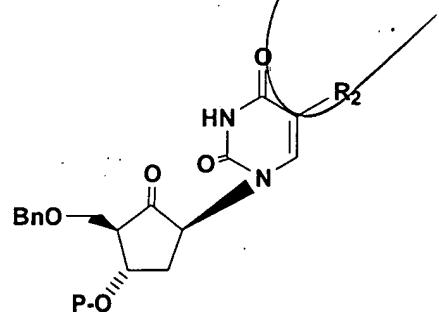
It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 18

line 5



should read:



MAILING ADDRESS OF SENDER:
Stephen B. Davis
Bristol-Myers Squibb Company
Patent Department
P.O. Box 4000
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PATENT NO. 5,206,244

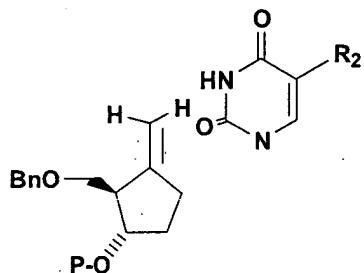
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

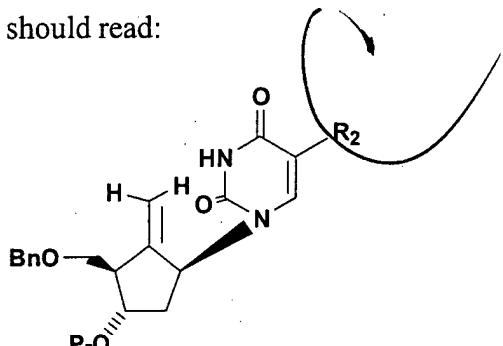
It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 18

line 25



should read:



MAILING ADDRESS OF SENDER:
Stephen B. Davis
Bristol-Myers Squibb Company
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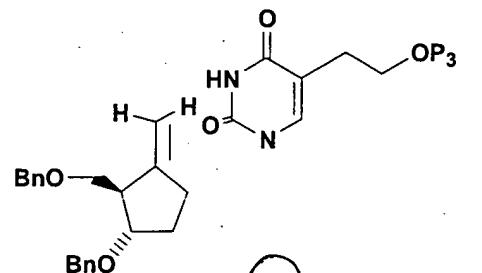
PATENT NO. 5,206,244

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

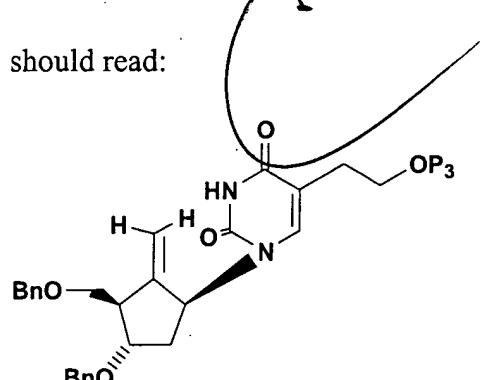
PATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 19
structure 34



should read:



MAILING ADDRESS OF SENDER:
Stephen B. Davis
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(609) 252-4338

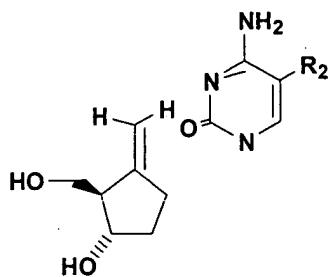
PATENT NO. 5,206,244

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

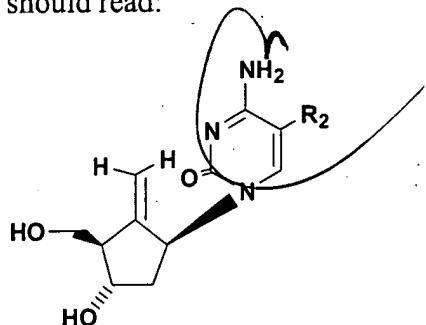
PATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

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Column 19



should read:



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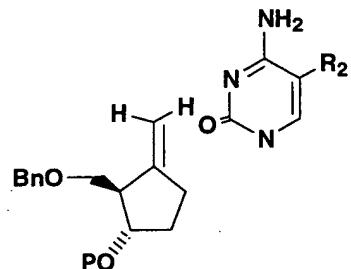
PATENT NO. 5,206,244

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

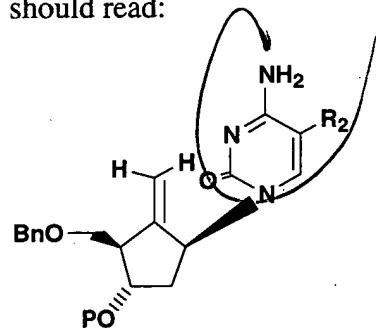
PATENT NO : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 20
structure 37



should read:



MAILING ADDRESS OF SENDER:
Stephen B. Davis
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(609) 252-4338

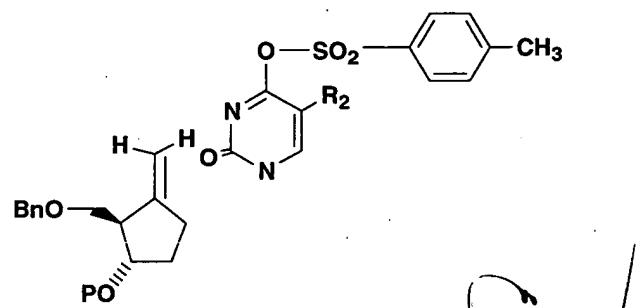
PATENT NO. 5,206,244

Page 12 of 26

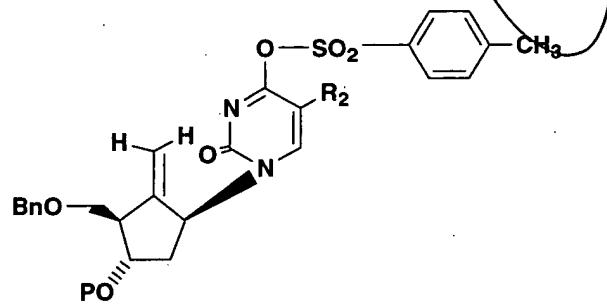
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTIONPATENT NO : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 20
structure 38



should read:



MAILING ADDRESS OF SENDER:
Stephen B. Davis
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(609) 252-4338

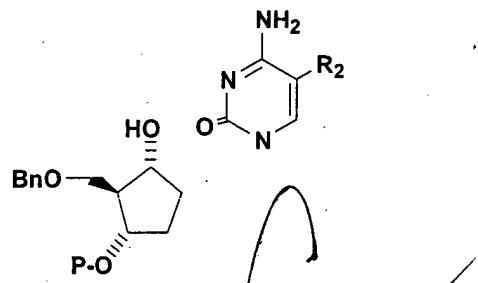
PATENT NO. 5,206,244

Page 13 of 26

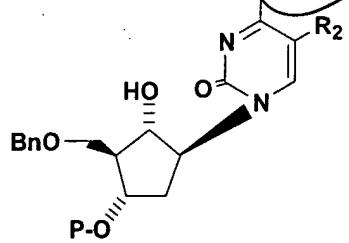
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTIONPATENT NO : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 21
structure 40



should read:



MAILING ADDRESS OF SENDER:
Stephen B. Davis
Bristol-Myers Squibb Company
Patent Department
P.O. Box 4000
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(609) 252-4338

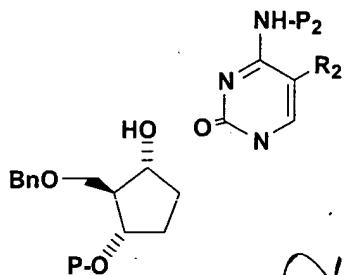
PATENT NO. 5,206,244

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

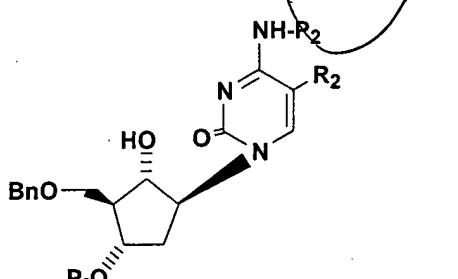
PATENT NO : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 21
structure 41



should read:



MAILING ADDRESS OF SENDER:
Stephen B. Davis
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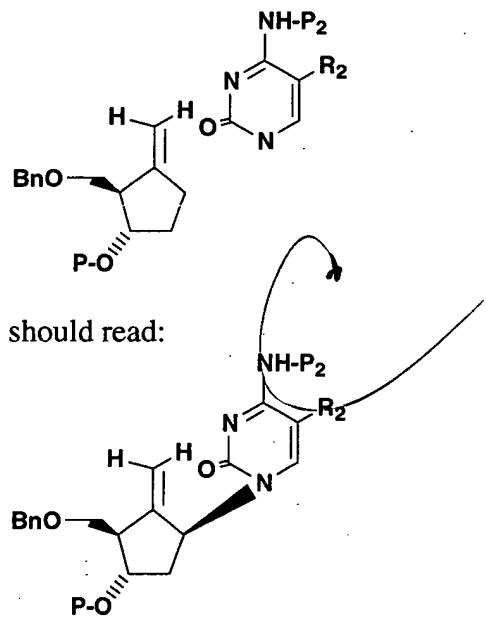
PATENT NO. 5,206,244

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED: : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 22
structure 42



MAILING ADDRESS OF SENDER:
Stephen B. Davis
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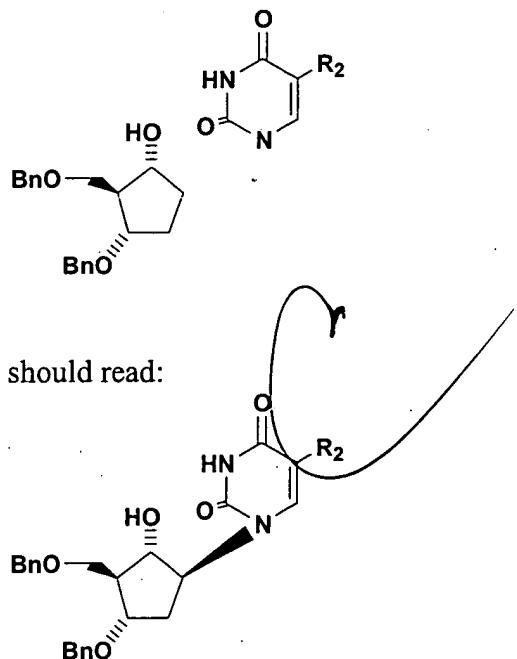
PATENT NO. 5,206,244

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 22
structure 43



MAILING ADDRESS OF SENDER:
Stephen B. Davis
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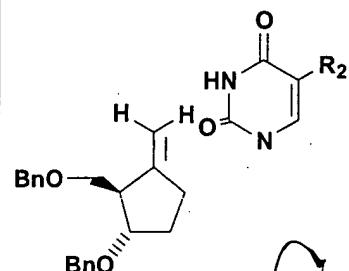
PATENT NO. 5,206,244

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

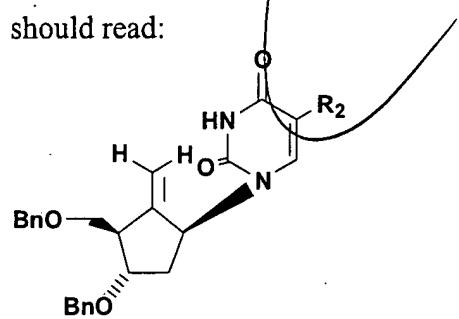
PATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 23
structure 44



should read:



MAILING ADDRESS OF SENDER:
Stephen B. Davis
Bristol-Myers Squibb Company
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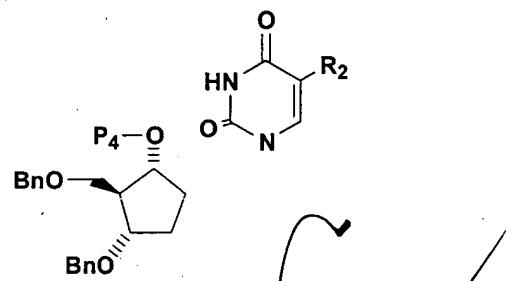
PATENT NO. 5,206,244

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

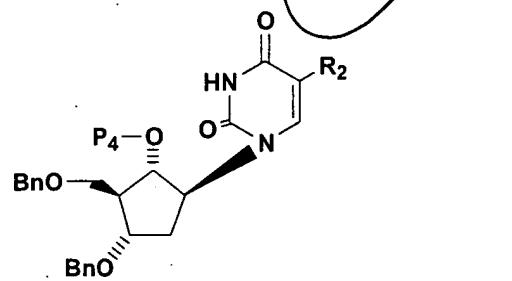
PATENT NO : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 23
structure 45



should read:



MAILING ADDRESS OF SENDER:
Stephen B. Davis
Bristol-Myers Squibb Company
Patent Department
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(609) 252-4338

PATENT NO. 5,206,244

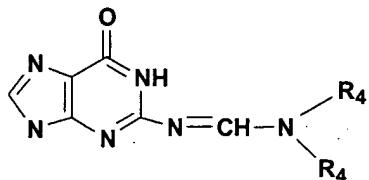
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

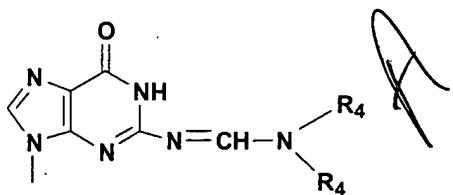
It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 28

line 65, last structure



should read:



MAILING ADDRESS OF SENDER:
Stephen B. Davis
Bristol-Myers Squibb Company
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Princeton, NJ 08543-4000
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PATENT NO. 5,206,244

Page 20 of 26

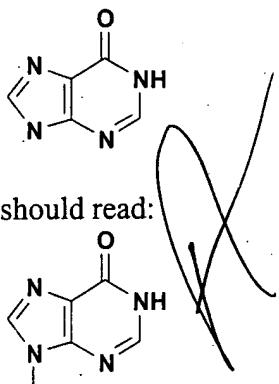
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 29

structure at line 35

Column 30

line 33, should read: -- oil (0.391 g atm) in dry tetrahydrofuran (156 ml) at --

Column 31

line 38, should read -- 2-[(phenylmethoxy)-methyl]-6-oxabicyclo[3.1.0]hexan-

MAILING ADDRESS OF SENDER:

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PATENT NO. 5,206,244

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 33

line 21 phenyl)diphenylmethylamino]-6-(phenylmethoxy)-9H-
should read: -- phenyl)diphenylmethyl]amino]-6-(phenylmethoxy)-9H- --

Column 33

line 65 dihydro-9-2-methylene-4-(phenyl-methoxy)-3-[(phenyl-
should read -- dihydro-9-[2-methylene-4-(phenyl-methoxy)-3-[(phenyl- --

Column 37

line 10, thoxy)-3-[(phenylmethoxy)methyl-cyclopentyl]-
should read: -- thoxy)-3-[(phenylmethoxy)methyl]-cyclopentyl] --

Column 37

line 49 [1S-(1 α ,3 α ,4 β)]-4-Amino-1-2-methylene-4-(phenylme-
should read: -- [1S-(1 α ,3 α ,4 β)]-4-Amino-1-[2-methylene-4-(phenylme- --

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DATED : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 39

line 22 D. [1S-1 α ,3 α ,4 β]-5-Iodo-1-2-methylene-4-
should read: -- D. [1S-1 α ,3 α ,4 β]-5-Iodo-1-[2-methylene-4- --

Column 41

line 3 methyl]cyclopentyl-2,4-dioxo-5-pyrimidinyl]-2-
should read: -- methyl]cyclopentyl]-2,4-dioxo-5-pyrimidinyl]-2- --

Column 43

line 31 (phenylmethoxy)-2-(phenylmethoxy)methyl]cyclopentene-1-
should read: -- (phenylmethoxy)-[2-(phenylmethoxy)methyl]cyclopentene-1- --

Column 43

line 38 [(phenylmethoxy)methylcyclopentanol (610 mg, 1.25
should read: -- [(phenylmethoxy)methyl]cyclopentanol (610 mg, 1.25 --

Column 44

line 55 (1S-trans)-2-(Phenylmethoxy)methyl]-3-cyclopentene-1-
should read: -- (1S-trans)-2-[(Phenylmethoxy)methyl]-3-cyclopentene-1- --

MAILING ADDRESS OF SENDER:

PATENT NO. 5,206,244

Stephen B. Davis
Bristol-Myers Squibb Company
Patent Department
P.O. Box 4000
Princeton, NJ 08543-4000
(609) 252-4338

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 45

line 40 thoxy)methyl]-6-oxabicyclo[3.1.0]-hexane
should read -- thoxy)methyl]-6-oxabicyclo[3.1.0]-hexane

Column 46

line 37 1S-1 α (E),2 β ,3 α ,4 β]-3-1,2,3,4-Tetrahydro-
should read: -- [1S-[1 α (E),2 β ,3 α ,4 β]-3-[1,2,3,4-Tetrahydro- --

Column 46

line 38 1-2-hydroxy-4-(phenylmethoxy)-3-(phenyl-methoxy)-
should read: -- 1-[2-hydroxy-4-(phenylmethoxy)-3-(phenyl-methoxy)- --

Column 46

line 49 I. [1S-[1 α (E),2 β ,3 α ,4 β]]-1-[2-Hydroxy-4-phenyl
should read: -- [1S-[1 α (E),2 β ,3 α ,4 β]]-1-[2-Hydroxy-4-(phenyl --

Column 46

line 50 methoxy)-3-(phenylmethoxy)methyl]cyclopentyl]-5-(2-
should read: -- methoxy)-3-[(phenylmethoxy)methyl]cyclopentyl]-5-(2- --

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PATENT NO. 5,206,244

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 47

line 31 1S-1 α (E),3 α ,4 β]-5-(2-Iodoethyl)-1-[2-methylene-4-
should read: -- [1S-1 α (E),3 α ,4 β]-5-(2-Iodoethyl)-1-[2-methylene-4- --

Column 47

line 39 concentration in vacuo from dry doluene) in dry dichlo-
should read: -- concentration in vacuo from dry toluene) in dry dichlo- --

Column 49

line 47 lene-4-(phenylmethoxy)-3-[(phenyl-methoxy)methyl]cy-
should read: -- lene-4-(phenylmethoxy)-3-[(phenyl-methoxy)methyl]cy- --

Column 49

line 61 was taken up in methnaol (26 ml.) and water (20 ml.),
should read: -- was taken up in methanol (26 ml.) and water (20 ml.), --

Column 50

line 40 HIV (strain-5 HTLV-III B). After adsorption for 1 - 2
should read: -- (strain HTLV-III B). After adsorption for 1 - 2

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PATENT NO. 5,206,244

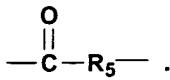
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
 DATED: April 27, 1993
 INVENTOR(S) : ZAHLER ET AL.

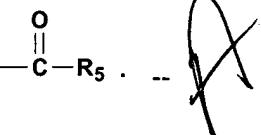
It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 54

Claim 1, line 65

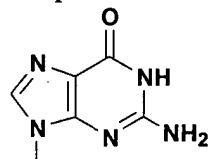


Should read: --



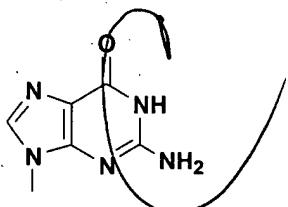
Column 55

Claim 6 A compound according to claim 1 wherein



should read: -- A compound according to claim 1 wherein

R_1 is



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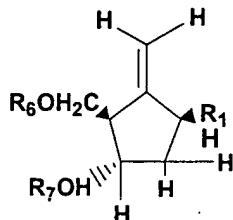
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

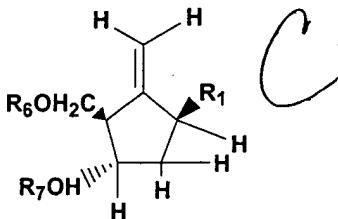
It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 5

Claim 10 structure



should read:



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PATENT NO. 5,206,244

Page 1 of 26

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1

line 30, Insert - R₁ is --

Column 2

line 45, stituted alkyl, or aryl; and R₆ and R₇ re independently
should read: stituted alkyl, or aryl; and R₆ and R₇ are independently

Column 3

line 55, methyl, amino, alkylamino of 1 to 6 carbons, nitro,
should read: methyl, amino, alkylamino of 1 to 6 carbons, dialkylamino, wherein each alkyl is of
1 to 6 carbons, nitro,

Column 12

line 30, 22 should read 20

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PATENT NO. 5,206,244

Page 2 of 26

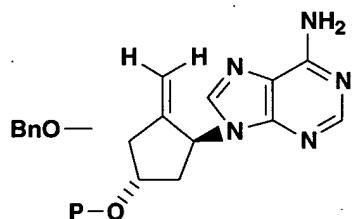
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

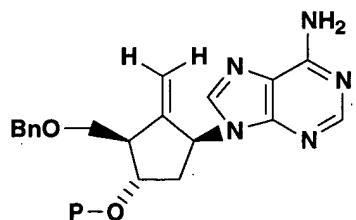
It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 14

line 40



should read:



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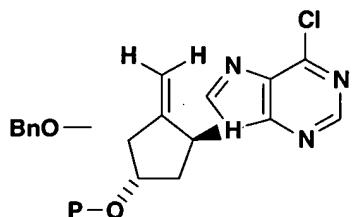
PATENT NO. 5,206,244

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

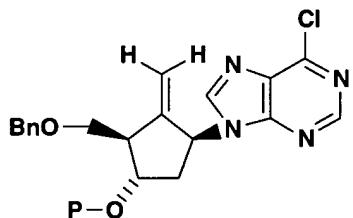
PATENT NO : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 15
line 35



should read:



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PATENT NO. 5,206,244

Page 4 of 26

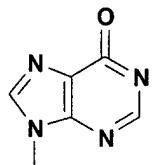
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CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

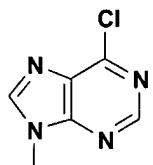
It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 16

line 55



should read:



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PATENT NO. 5,206,244

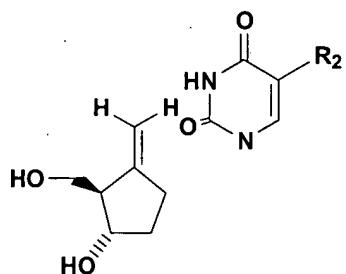
UNITED STATES PATENT AND TRADEMARK OFFICE
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PATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

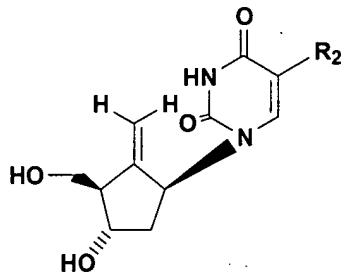
It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 17

line 25



should read:



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PATENT NO. 5,206,244

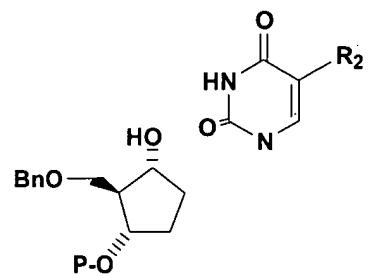
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PATENT NO : 5,206,244
DATED: : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

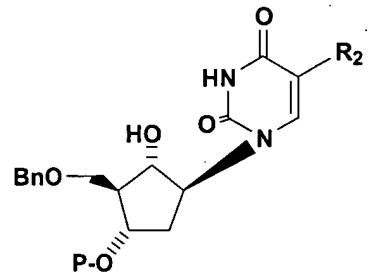
It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 17

line 55



should read:



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(609) 252-4338

PATENT NO. 5,206,244

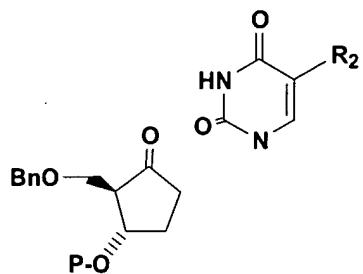
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PATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

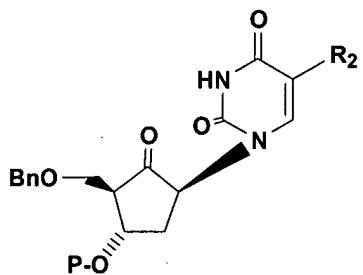
It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 18

line 5



should read:



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Patent Department
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(609) 252-4338

PATENT NO. 5,206,244

Page 8 of 26

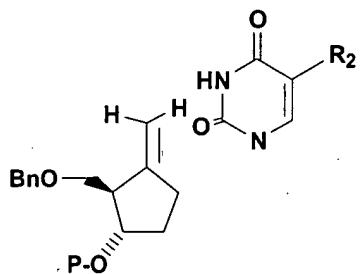
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

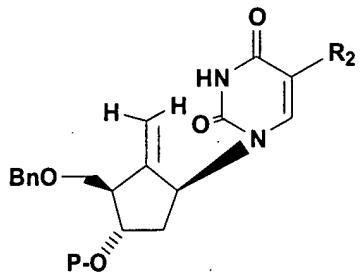
It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 18

line 25



should read:



MAILING ADDRESS OF SENDER:
Stephen B. Davis
Bristol-Myers Squibb Company
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Princeton, NJ 08543-4000
(609) 252-4338

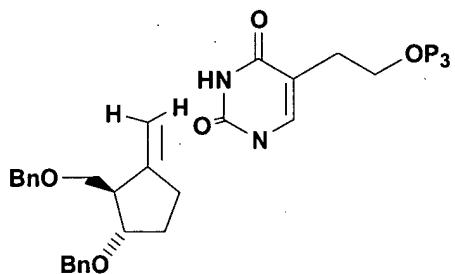
PATENT NO. 5,206,244

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

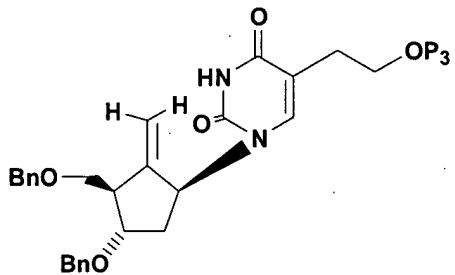
PATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 19



should read:



MAILING ADDRESS OF SENDER:
Stephen B. Davis
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P.O. Box 4000
Princeton, NJ 08543-4000
(609) 252-4338

PATENT NO. 5,206,244

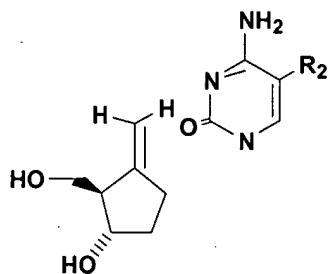
Page 10 of 26

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTIONPATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

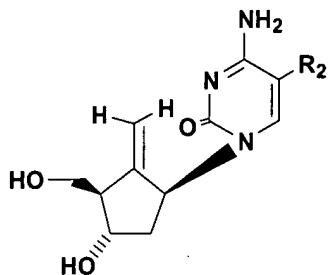
It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 19

structure 36



should read:

MAILING ADDRESS OF SENDER:
Stephen B. Davis
Bristol-Myers Squibb Company
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Princeton, NJ 08543-4000
(609) 252-4338

PATENT NO. 5,206,244

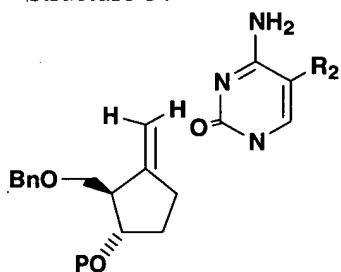
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

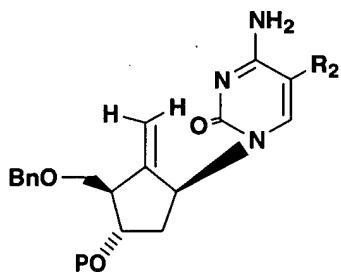
It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 20

structure 37



should read:



MAILING ADDRESS OF SENDER:
Stephen B. Davis
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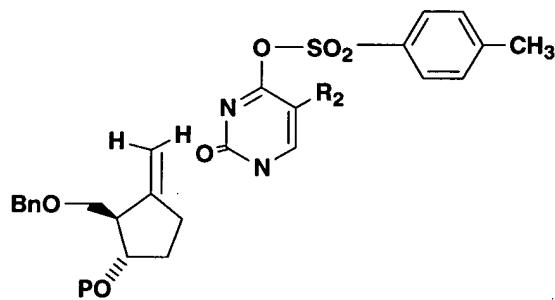
PATENT NO. 5,206,244

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

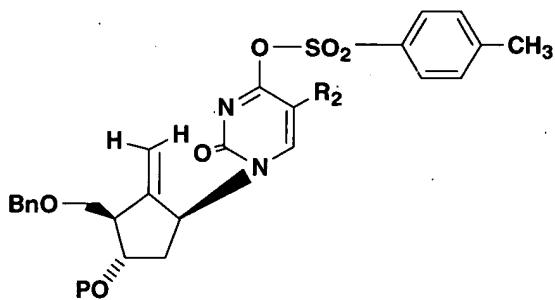
PATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 20
structure 38



should read:



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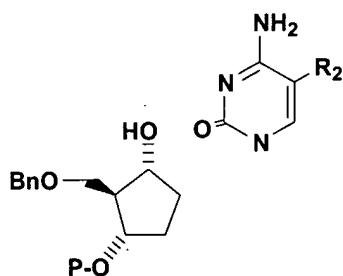
PATENT NO. 5,206,244

Page 13 of 26

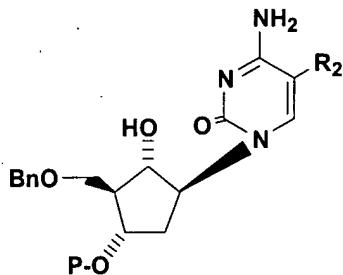
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTIONPATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 21
structure 40



should read:



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P.O. Box 4000
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(609) 252-4338

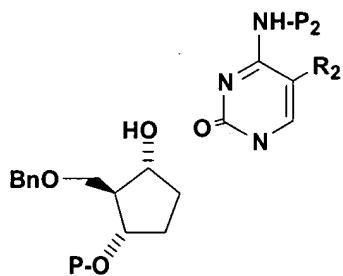
PATENT NO. 5,206,244

Page 14 of 26

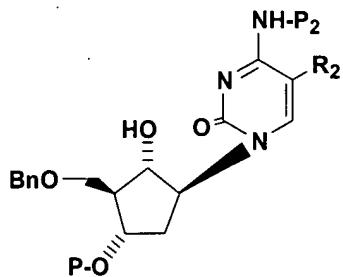
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTIONPATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 21
structure 41



should read:



MAILING ADDRESS OF SENDER:
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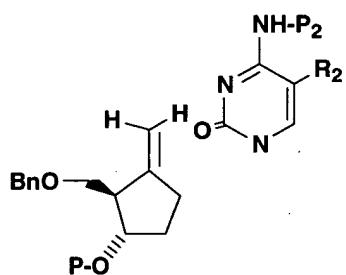
PATENT NO. 5,206,244

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CERTIFICATE OF CORRECTION

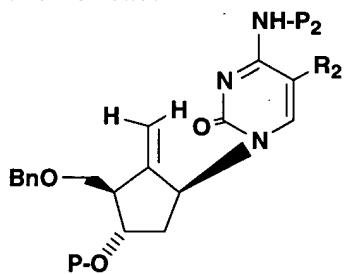
PATENT NO : 5,206,244
DATED: : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 22
structure 42



should read:



MAILING ADDRESS OF SENDER:
Stephen B. Davis
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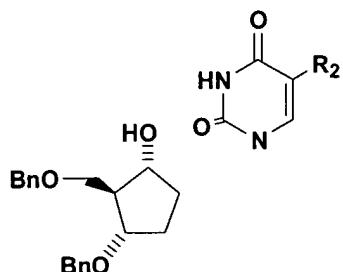
PATENT NO. 5,206,244

Page 16 of 26

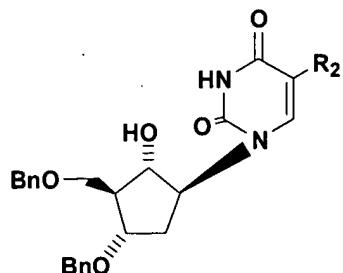
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTIONPATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 22
structure 43



should read:



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Stephen B. Davis
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P.O. Box 4000
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PATENT NO. 5,206,244

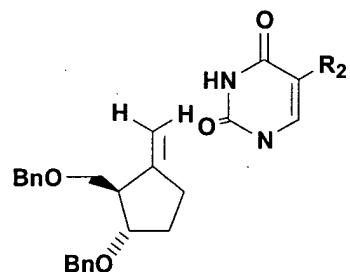
Page 17 of 26

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTIONPATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

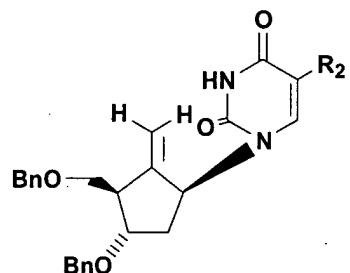
It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 23

structure 44



should read:

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P.O. Box 4000
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PATENT NO. 5,206,244

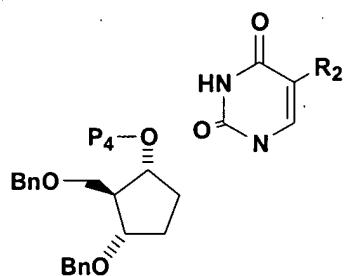
Page 18 of 26

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

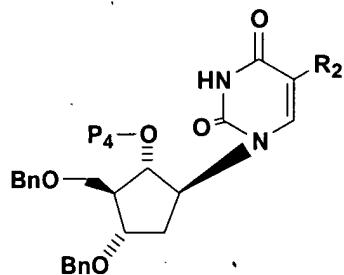
PATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 23
structure 45



should read:



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(609) 252-4338

PATENT NO. 5,206,244

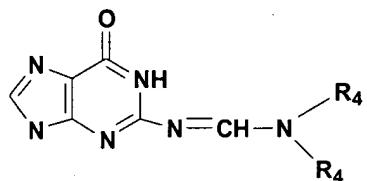
Page 19 of 26

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTIONPATENT NO : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

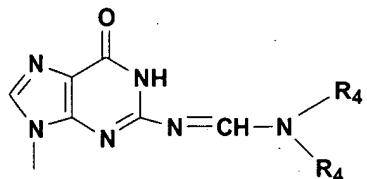
It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 28

line 65, last structure



should read:

MAILING ADDRESS OF SENDER:
Stephen B. Davis
Bristol-Myers Squibb Company
Patent Department
P.O. Box 4000
Princeton, NJ 08543-4000
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PATENT NO. 5,206,244

Page 20 of 26

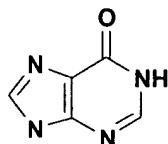
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

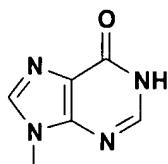
It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 29

structure at line 35



should read:

Column 30

line 33, should read: -- oil (0.391 g atm) in dry tetrahydrofuran (156 ml) at --

Column 31

line 38, should read -- 2-[(phenylmethoxy)-methyl]-6-oxabicyclo[3.1.0]hexan- --

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PATENT NO. 5,206,244

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 33

line 21 phenyl)diphenylmethylamino]-6-(phenylmethoxy)-9H-
should read: -- phenyl)diphenylmethyl]amino]-6-(phenylmethoxy)-9H- --

Column 33

line 65 dihydro-9-2-methylene-4-(phenyl-methoxy)-3-[(phenyl-
should read -- dihydro-9-[2-methylene-4-(phenyl-methoxy)-3-[(phenyl- --

Column 37

line 10, thoxy)-3-[(phenylmethoxy)methyl-cyclopentyl]-
should read: -- thoxy)-3-[(phenylmethoxy)methyl]-cyclopentyl]- --

Column 37

line 49 [1S-(1 α ,3 α ,4 β)]-4-Amino-1-2-methylene-4-(phenylme-
should read: -- [1S-(1 α ,3 α ,4 β)]-4-Amino-1-[2-methylene-4-(phenylme- --

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PATENT NO. 5,206,244

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 39

line 22 D. [1S-1 α ,3 α ,4 β]-5-Iodo-1-2-methylene-4-
should read: -- D. [1S-1 α ,3 α ,4 β]-5-Iodo-1-[2-methylene-4- --

Column 41

line 3 methyl]cyclopentyl-2,4-dioxo-5-pyrimidinyl]-2-
should read: -- methyl]cyclopentyl]-2,4-dioxo-5-pyrimidinyl]-2- --

Column 43

line 31 (phenylmethoxy)-2-(phenylmethoxy)methyl]cyclopentyl-
should read: -- (phenylmethoxy)-[2-(phenylmethoxy)methyl]cyclopentyl- --

Column 43

line 38 [(phenylmethoxy)methylcyclopentanol (610 mg, 1.25
should read: -- [(phenylmethoxy)methyl]cyclopentanol (610 mg, 1.25 --

Column 44

line 55 (1S-trans)-2-(Phenylmethoxy)methyl]-3-cyclopentene-1-
should read: -- (1S-trans)-2-[(Phenylmethoxy)methyl]-3-cyclopentene-1- --

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CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 45

line 40 thoxy)methyl]-6-oxabicyclo[3.1.0]-hexane
should read -- thoxy)methyl]-6-oxabicyclo[3.1.0]-hexane --

Column 46

line 37 1S-1 α (E),2 β ,3 α ,4 β]-3-1,2,3,4-Tetrahydro-
should read: -- [1S-[1 α (E),2 β ,3 α ,4 β]]-3-[1,2,3,4-Tetrahydro- --

Column 46

line 38 1-2-hydroxy-4-(phenylmethoxy)-3-(phenyl-methoxy)-
should read: -- 1-[2-hydroxy-4-(phenylmethoxy)-3-(phenyl-methoxy)- --

Column 46

line 49 I. [1S-[1 α (E),2 β ,3 α ,4 β]]-1-[2-Hydroxy-4-phenyl
should read: -- [1S-[1 α (E),2 β ,3 α ,4 β]]-1-[2-Hydroxy-4-(phenyl --

Column 46

line 50 methoxy)-3-(phenylmethoxy)methyl]cyclopentyl]-5-(2-
should read: -- methoxy)-3-[(phenylmethoxy)methyl]cyclopentyl]-5-(2- --

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PATENT NO. 5,206,244

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED: : April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 47

line 31 1S-1 α (E),3 α ,4 β]-5-(2-Iodoethenyl)-1-[2-methylene-4-
should read: -- [1S-1 α (E),3 α ,4 β]-5-(2-Iodoethenyl)-1-[2-methylene-4- --

Column 47

line 39 concentration in vacuo from dry doluene) in dry dichlo-
should read: -- concentration in vacuo from dry toluene) in dry dichlo- --

Column 49

line 47 lene-4-(phenylmethoxy)-3-[(phenyl-methoxy)methylcy-
should read: -- lene-4-(phenylmethoxy)-3-[(phenyl-methoxy)methyl]cy- --

Column 49

line 61 was taken up in methnaol (26 ml.) and water (20 ml.),
should read: -- was taken up in methanol (26 ml.) and water (20 ml.), --

Column 50

line 40 HIV (strain-5 HTLV-III B). After adsorption for 1 – 2
should read: -- (strain HTLV-III B). After adsorption for 1 – 2 --

MAILING ADDRESS OF SENDER:
Stephen B. Davis
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PATENT NO. 5,206,244

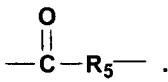
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
 DATED : April 27, 1993
 INVENTOR(S) : ZAHLER ET AL.

It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 54

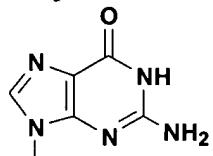
Claim 1, line 65



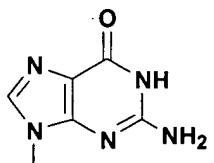
Should read: -- $-\overset{\text{O}}{\parallel}\text{C}-\text{R}_5$. --

Column 55

Claim 6 A compound according to claim 1 wherein



should read: -- A compound according to claim 1 wherein
 R_1 is



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PATENT NO. 5,206,244

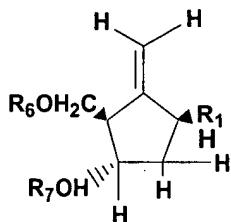
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 5,206,244
DATED: April 27, 1993
INVENTOR(S) : ZAHLER ET AL.

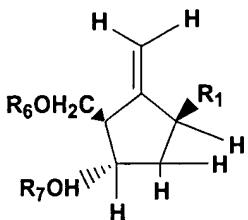
It is certified that there is an error in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 55

Claim 10 structure



should read:



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PATENT NO. 5,206,244

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : Zahler et al.

Page 1 of 8

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1.

Line 30, insert -- R₁ is --.

Column 2.

Line 45, "stituted alkyl, or aryl; and R₆ and R₇ re independently" should read -- substituted alkyl, or aryl; and R₆ and R₇ are independently --.

Column 3.

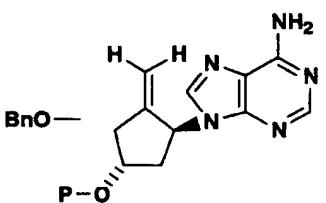
Line 55, "methyl, amino, alkylamino of 1 to 6 carbons, nitro," should read -- methyl, amino, alkylamino of 1 to 6 carbons, dialkylamino, wherein each alkyl is of 1 to 6 carbons, nitro, --.

Column 12.

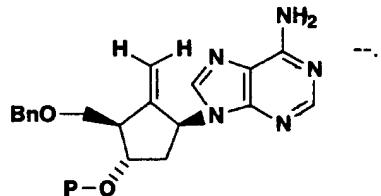
Line 30, "22" should read -- 20 --.

Column 14.

Line 40, "

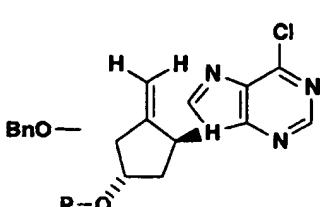


" should read --

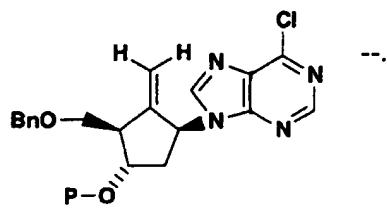


Column 15.

Line 35, "

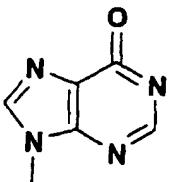


" should read --

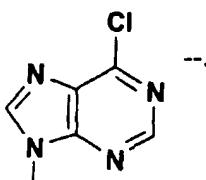


Column 16.

Line 55, "



" should read --



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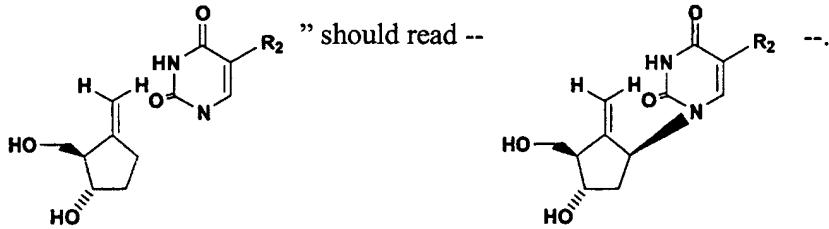
PATENT NO. : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : Zahler et al.

Page 2 of 8

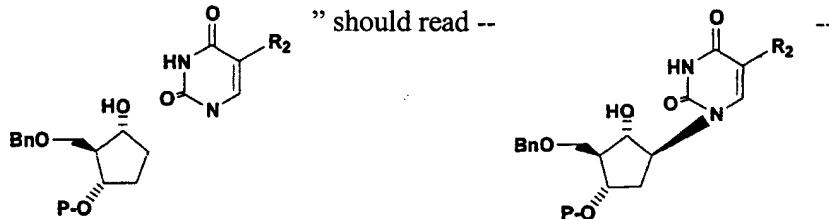
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 17,

Line 25, "

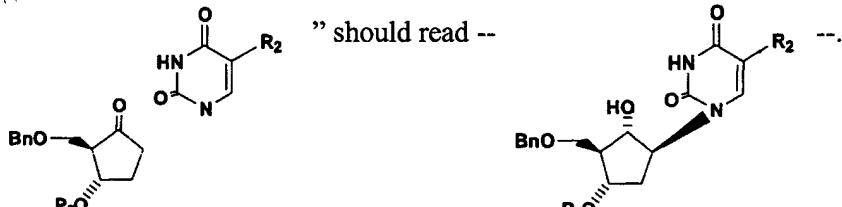


Line 55, "

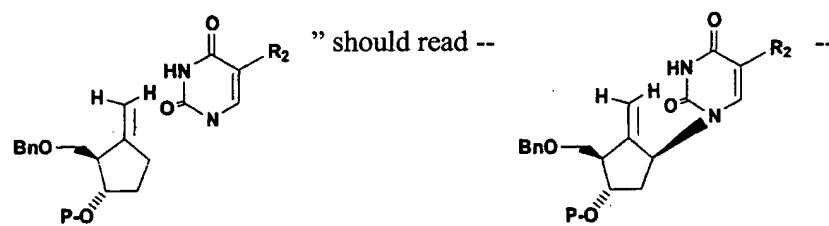


Column 18,

Line 5, "

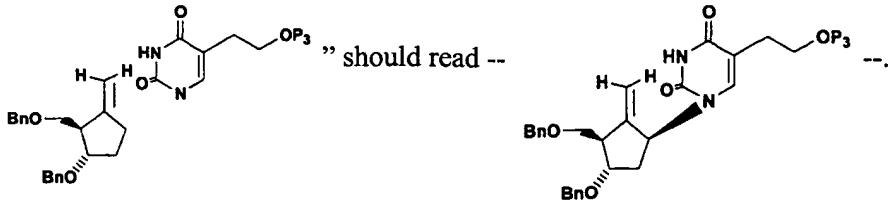


Line 25, "



Column 19,

Structure 34, "



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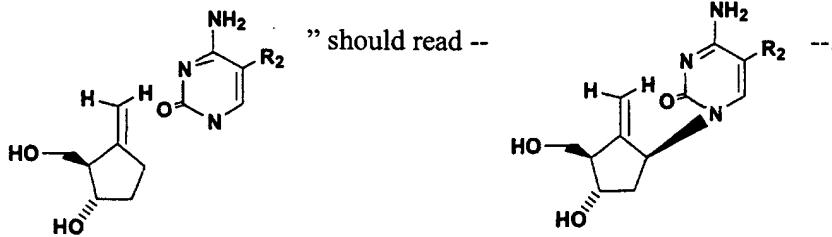
PATENT NO. : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : Zahler et al.

Page 3 of 8

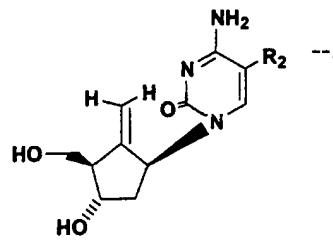
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 19 (cont'd).

Structure 36, "

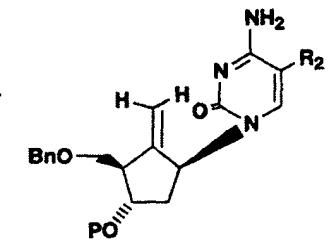
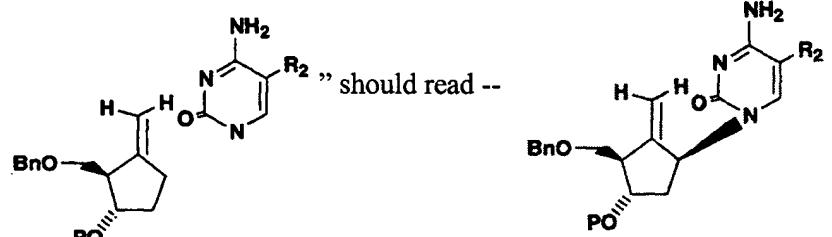


" should read --

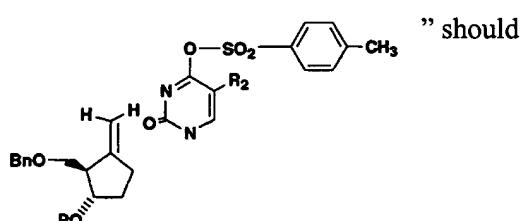


Column 20.

Structure 37, "

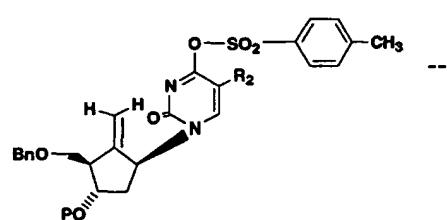


Structure 38, "



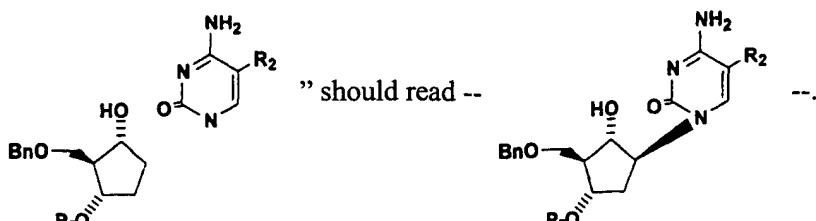
" should

read --

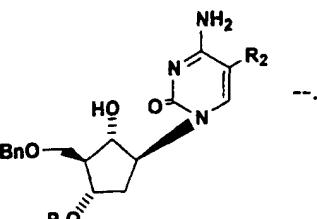


Column 21.

Structure 40, "



" should read --



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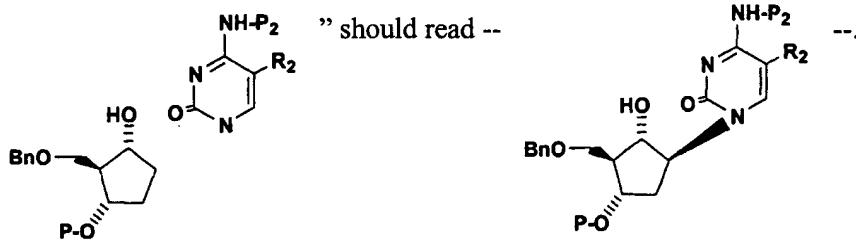
PATENT NO. : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : Zahler et al.

Page 4 of 8

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

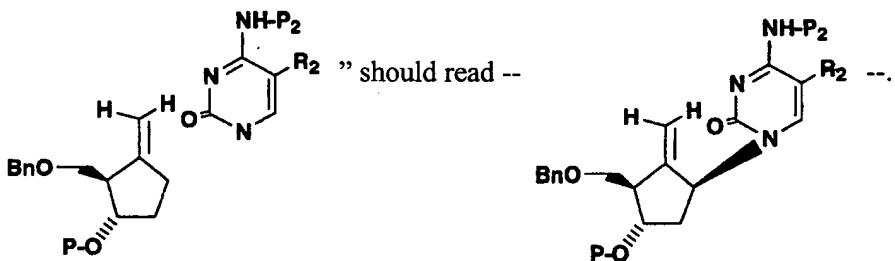
Column 21 (cont'd).

Structure 41, "

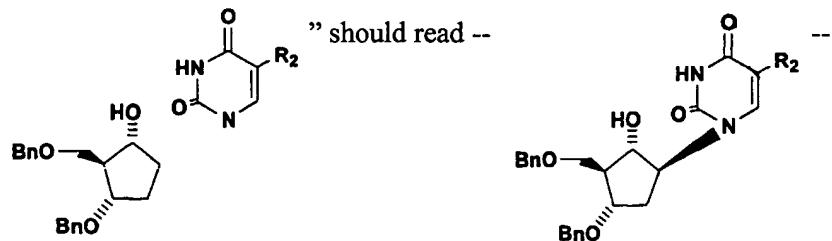


Column 22.

Structure 42, "

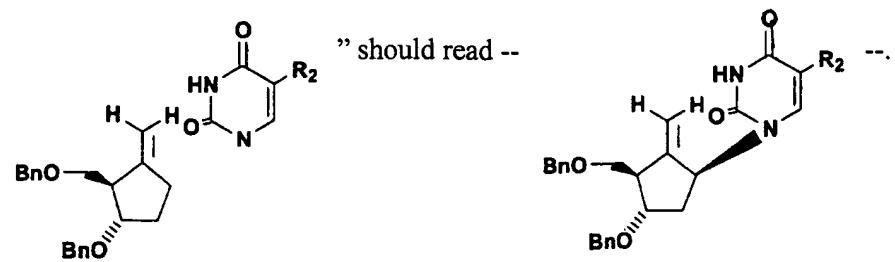


Structure 43, "



Column 23.

Structure 44, "



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CERTIFICATE OF CORRECTION

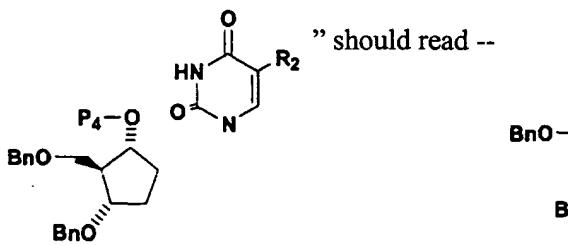
PATENT NO. : 5,206,244
 DATED : April 27, 1993
 INVENTOR(S) : Zahler et al.

Page 5 of 8

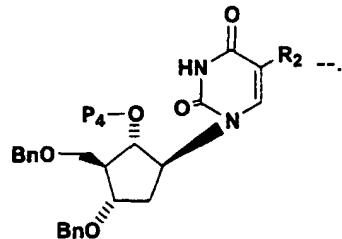
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 23 (cont'd).

Structure 45, "

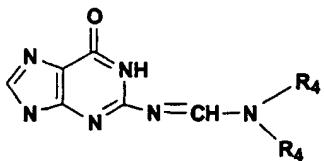


" should read --

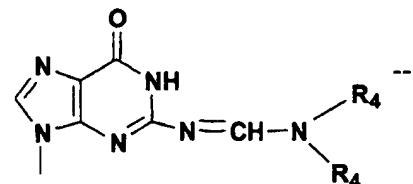


Column 28.

Line 65, "

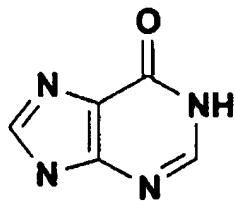


" should read --

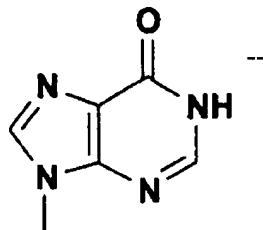


Column 29.

Line 35, "



" should read --



Column 30.

Line 33, should read -- oil (0.391 g atm) in dry tetrahydrofuran (156 ml) at --.

Column 31.

Line 38, should read -- 2-[(phenylmethoxy)-methyl]-6-oxabicyclo[3.1.0]hexan- --.

Column 33.

Line 21, "phenyl)diphenylmethylamino]-6-(phenylmethoxy)-9H-." should read
 -- phenyl)diphenylmethyl]amino]-6-(phenylmethoxy)-9H- --.

Line 65, "dihydro-9-2-methylene-4-(phenyl-methoxy)-3-[(phenyl-." should read
 -- dihydro-9-[2-methylene-4-(phenyl-methoxy)-3-[(phenyl- --.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : Zahler et al.

Page 6 of 8

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 37.

Line 10, "thoxy)-3-[(phenylmethoxy)methyl-cyclopentyl]-" should read

-- thoxy)-3-[(phenylmethoxy)methyl]-cyclopentyl]- --.

Line 49, "[1S-(1 α ,3 α ,4 β)]-4-Amino-1-2-methylene-4-(phenylme- " should read

-- [1S-(1 α ,3 α ,4 β)]-4-Amino-1-[2-methylene-4-(phenylme- --.

Column 39.

Line 22, "D. [1S-1 α ,3 α ,4 β)]-5-Iodo-1-2-methylene-4-" should read

-- D. [1S-1 α ,3 α ,4 β)]-5-Iodo-1-[2-methylene-4- --.

Column 41.

Line 3, "methyl]cyclopentyl-2,4-dioxo-5-pyrimidinyl]-2-" should read

-- methyl]cyclopentyl]-2,4-dioxo-5-pyrimidinyl]-2- --.

Column 43.

Line 31, "(phenylmethoxy)-2-(phenylmethoxy)methyl]cyclopentyl- " should read

-- (phenylmethoxy)-[2-(phenylmethoxy)methyl]cyclopentyl- --.

Line 38, "[(phenylmethoxy)methyl]cyclopentanol (610 mg, 1.25" should read

-- [(phenylmethoxy)methyl]cyclopentanol (610 mg, 1.25 --.

Column 44.

Line 55, "(1S-trans)-2-(Phenylmethoxy)methyl]-3-cyclopentene-1-" should read

-- (1S-trans)-2-[(Phenylmethoxy)methyl]-3-cyclopentene-1- --.

Column 45.

Line 40, "thoxy)methyl]-6-oxabicyclo[3.1.0]-hexane" should read

-- thoxy)methyl]-6-oxabicyclo[3.1.0]-hexane --.

Column 46.

Line 37, "1S-1 α (E),2 β ,3 α ,4 β)]-3-1,2,3,4-Tetrahydro- " should read

-- [1S-[1 α (E),2 β ,3 α ,4 β]]-3-[1,2,3,4-Tetrahydro- --.

Line 38, "1-2-hydroxy-4-(phenylmethoxy)-3-(phenyl-methoxy)-" should read

-- 1-[2-hydroxy-4-(phenylmethoxy)-3-(phenyl-methoxy)- --.

Line 49, "I. [1S-[1 α (E),2 β ,3 α ,4 β]]-1-[2-Hydroxy-4-phenyl" should read

-- [1S-[1 α (E),2 β ,3 α ,4 β]]-1-[2-Hydroxy-4-(phenyl --.

Line 50, "methoxy)-3-(phenylmethoxy)methyl]cyclopentyl]-5-(2-" should read

-- methoxy)-3-[(phenylmethoxy)methyl]cyclopentyl]-5-(2- --.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : Zahler et al.

Page 7 of 8

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 47.

Line 31, "1S-1 α (E),3 α ,4 β]-5-(2-Iodoethenyl)-1-[2-methylene-4-" should read
-- [1S-1 α (E),3 α ,4 β]-5-(2-Iodoethenyl)-1-[2-methylene-4- --.
Line 39, "concentration in vacuo from dry doluene) in dry dichlo-" should read
-- concentration in vacuo from dry toluene) in dry dichlo- --.

Column 49.

Line 47, "lene-4-(phenylmethoxy)-3-[(phenyl-methoxy)methylcy- " should read
-- lene-4-(phenylmethoxy)-3-[(phenyl-methoxy)methyl]cy- --.
Line 61, "was taken up in methnaol (26 ml.) and water (20 ml.)," should read
-- was taken up in methanol (26 ml.) and water (20 ml.), --.

Column 50.

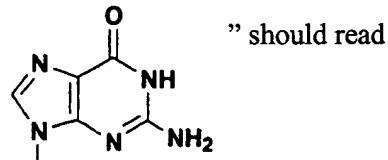
Line 40, "HIV (strain-5 HTLV-III B). After adsorption for 1 - 2" should read
-- (strain HTLV-III B). After adsorption for 1 - 2 --.

Column 54.

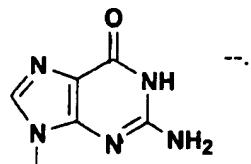
Line 65, " $\begin{array}{c} \text{O} \\ \parallel \\ \text{C} - \text{R}_5 \end{array}$. " should read -- $\begin{array}{c} \text{O} \\ \parallel \\ \text{C} - \text{R}_5 \end{array}$. --.

Column 55.

Line 25, "A compound according to claim 1 wherein



-- A compound according to claim 1 wherein
R₁ is



UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

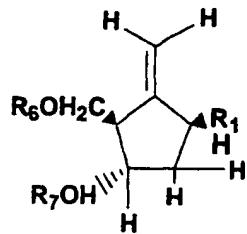
PATENT NO. : 5,206,244
DATED : April 27, 1993
INVENTOR(S) : Zahler et al.

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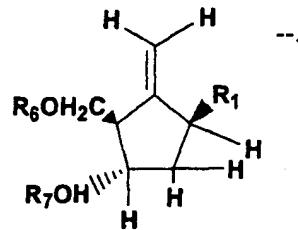
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 56,

Line 20, “



” should read --



Signed and Sealed this

Thirtieth Day of May, 2006

Don W. J. Dudas

JON W. DUDAS
Director of the United States Patent and Trademark Office.